

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
COLORADO OIL AND GAS CONSERVATION COMMISSION (OWP)
NORDMAN TRUST #32-20 (OWP), ELBERT COUNTY, COLORADO
FREMONT PROJECT NO. C022-104

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl-Benzene (mg/kg)	1,3,5-Trimethyl-Benzene (mg/kg)	Naphthalene (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
COGCC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500		
COGCC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500		
WHN-4	10/26/2022	4	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.029	0.533	<25.0	<100
WHF-8	10/26/2022	8	0.0175	0.232	3.53	27.6	45.7	8.27	5.97	3300	5540	1970

Bold faced values exceed the COGCC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

* Summation of GRO+DRO+ORO must be less than 500 mg/kg

TABLE 2
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
COLORADO OIL AND GAS CONSERVATION COMMISSION (OWP)
NORDMAN TRUST #32-20 (OWP), ELBERT COUNTY, COLORADO
FREMONT PROJECT NO. C022-104

Sample ID	Sample Date	Depth (ft)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3- cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
COGCC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
COGCC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
WHN-4	10/26/2022	4	0.00322	0.000774	0.00103	<0.000468	0.00059	<0.000437	0.00565	<0.000614	0.000675	0.0201	<0.000627	0.00331	0.0824	0.0834
WHF-8	10/26/2022	8	0.28	0.0622	0.102	0.0295	0.0339	0.0267	0.399	<0.0307	0.0482	1.61	<0.0314	0.266	10.2	9.14

Bold faced values exceed the COGCC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

TABLE 3
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
COLORADO OIL AND GAS CONSERVATION COMMISSION (OWP)
NORDMAN TRUST #32-20 (OWP), ELBERT COUNTY, COLORADO
FREMONT PROJECT NO. C022-104

Sample ID	Sample Date	Depth (ft)	pH	EC (mmhos/cm)	SAR	Boron (mg/L)
COGCC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
Site Specific Background Concentration/Value						
WHN-4	10/26/2022	4	8.38	0.628	2.70	0.164

Bold faced values exceed the COGCC Table 915-1 concentrations

Yellow highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

TABLE 4
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
COLORADO OIL AND GAS CONSERVATION COMMISSION (OWP)
NORDMAN TRUST #32-20 (OWP), ELBERT COUNTY, COLORADO
FREMONT PROJECT NO. C022-104

Sample ID	Sample Date	Depth (ft)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
COGCC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
COGCC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Calculated Site Specific Background Concentration												
WHN-4	10/26/2022	4	4.16	133	0.156	<0.246	13	11.7	15.4	0.143	<0.0985	<98.5

Bold faced values exceed the COGCC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

NA - Not analyzed